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EXAMINER'S AMENDMENT AND STATEMENT OF REASONS FOR ALLOWANCE

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Irving M. Weiner (Reg. No. 22,168) on 1/28/2005.

2. The application has been amended as follows:

> 1. (Currently Amended) A teleconferencing robot, for enabling a remote conferee to

project a sense of presence into a group meeting, the teleconferencing robot comprising:

a base comprising an upper stage and a lower stage and wherein the lower and upper

stages are rotatable relative to one another about a substantially vertical axis;

one and only one video monitor is secured to the upper stage and the upper stage is

rotatably mounted to the lower stage, said video monitor receiving and displaying a life-sized

image of the remote conferee's face;

[the base includes means for vertically displacing the upper and lower stages relative to

one another;]

a video camera movably mounted on the base;

control means mounted on the base for moving the video monitor secured to the upper stage and the video camera in response to an input control signal;

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a sound location system for generating a speaker location signal in response to which the control means can automatically swivel said video monitor with said image of the remote conferee's face to look at another conferee speaking in an automatic mode;

and wherein said upper stage to which said video monitor [is secured] and said video camera are secured is moved [move] in response to one of said input control signal to enable the remote conferee to project a sense of presence into the group meeting in a manual mode, and the speaker location signal generated by said sound location system in the automatic mode [including automatically swivelling said video monitor with said image of the remote conferee's face to look at another conferee speaking at said group meeting].

- 15. (Currently Amended) A teleconferencing robot as claimed in claim 5, further comprising microphone array means for enabling a location of a speaker to be determined and generating a detection signal indicative of the location of the speaker wherein the [input control] speaker location signal is derived from the detection signal and causes the rotating drive unit to rotate the video monitor to a position substantially facing the location of the speaker.
- 16. (Currently Amended) A teleconferencing robot as claimed in claim 15, further comprising a switch unit enabling the input control signal to be selectively derived from the [detection] speaker location signal and a remote signal generated by the remote conferee.

19. (Currently Amended) A teleconferencing robot as claimed in claim 5, [further comprising] including that:

[location determining means for enabling a location of a person to be determined and generating a detection signal indicative of the location of the speaker;]

[wherein] the <u>sound</u> location <u>system</u> [determining means] is fixed to the base such that the video camera and the video monitor rotate independently of the <u>sound</u> location <u>system</u> [determining means]; and

wherein the input control signal is derived from the [detection] speaker location signal and causes the rotating drive unit and pan drive unit to rotate the video monitor and video camera, respectively, to a position substantially facing the location of the speaker.

21. (Currently Amended) A teleconferencing robot for enabling a remote conferee to project a sense of presence into a group meeting, said remote conferee located remotely from said group meeting, the teleconferencing robot comprising:

a base comprising an upper stage and a lower stage and wherein the lower stage and upper stage are rotatably related to one another about a substantially vertical axis;

one and only one video monitor secured to the upper stage and video monitor secured to the upper stage and movably mounted to the lower stage, said video monitor receiving and displaying a life-sized image of the remote conferee's face;

the base includes means for vertically displacing the upper and lower parts relative to one another;

a video camera;

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control means including a rotating drive unit for rotating the upper stage containing the video monitor relative to the lower stage in response to an input control signal derived from the

video monitor rotative to the lower stage in response to air input control signar derived from the

remote signal generated by the remote conferee;

a sound location system for generating a speaker location signal in response to which

control means can automatically swivel said video monitor with said image of the remote

conferee's face to look at another conferee speaking in an automatic mode;

and wherein said video monitor moves in response to one of said input control signal to

enable the remote conferee to project a sense of presence into the group meeting in a manual

mode, and a speaker location signal generated by said sound location system in the automatic

mode [including automatically swivelling said video monitor with said image of the remote

conferee's face to look at another conferee speaking at said group meeting].

22. (New) A teleconferencing robot as claimed in claim 3, wherein the base

comprises an upper part on which the video monitor is mounted and a lower part, and means for

vertically displacing the upper and lower parts relative to one another.

(Note the claimed limitations of new claim 22 are the same as claim 8, which is previously

canceled.)

Examiner's Statement of Reasons for Allowance

3. Claims 1-7, 9-19 and 21-22 are allowed.

4. The following is an examiner's statement of reasons for allowance:

Applicant's invention is drawn to an apparatus for the projection of a remote conferee's presence into a group meeting environment by using a combination of videoconferencing and robotics technology, which allows for more direct personal interaction in group meeting environments and social situations.

Applicant's independent claims 1 and 21 each recite, inter alia, a teleconferencing robot with a structure as defined in the specification (pages 5-14) including a base comprising an upper stage and a lower stage and wherein the lower and upper stages are rotatable relative to one another about a substantially vertical axis, one and only one video monitor is secured to the upper stage and the upper stage is rotatably mounted to the lower stage, said video monitor receiving and displaying a life-sized image of the remote conferee's face, control means mounted on the base for moving the video monitor secured to the upper stage and the video camera in response to an input control signal, a sound location system for generating a speaker location signal in response to which the control means can automatically swivel said video monitor with said image of the remote conferee's face to look at another conferee speaking in an automatic mode, and wherein said upper stage to which said video monitor and said video camera are secured is moved in response to one of said input control signal to enable the remote conferee to project a sense of presence into the group meeting in a manual mode, and the speaker location signal generated by said sound location system in the automatic mode. Applicant's claims 1 and 21 comprise a particular combination of element, which is neither taught nor suggested by the prior art.

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Accordingly, Applicant's claims are allowed for these reasons and for the reasons recited

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by Applicant in Amendments filed 8/30/2002, 3/17/2003, 12/15/2003 and 8/23/2004.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to George Eng whose telephone number is 703-308-9555. The

examiner can normally be reached on Tue-Fri 7:30 AM-6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Curtis A. Kuntz can be reached on 703-305-4708. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alorge Kry George Eng

Primary Examiner

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